

American Champion Aircraft Corp.  
Rochester, WI 53167

Service Letter: 429

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Date: May 29, 2007

Title: Inspection of Stereo Headphone Wiring

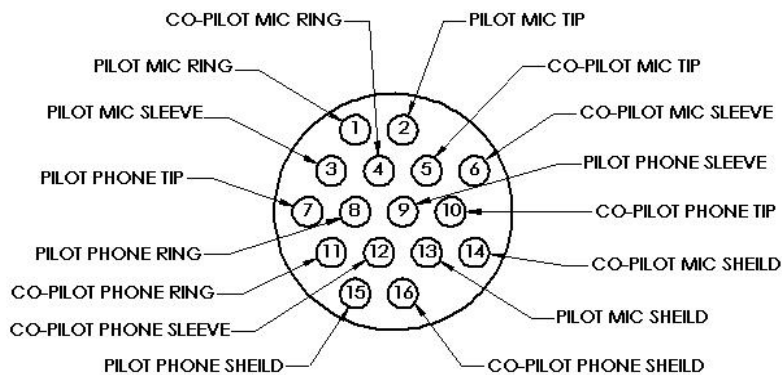
Models: American Champion 7EC, 7ECA, 7GCAA, 7GCBC, 8KCAB and 8GCBC models manufactured between December 20, 2006 and May 14, 2007 with a factory installed PM3000A intercom. Reference aircraft data plate for manufacture date.

Description: This service letter provides guidance for inspection and correction of the aircraft intercom wiring. The PM3000A failsafe audio will not function for improperly wired intercoms utilizing mono headsets. The improper headphone wiring does not affect operation with stereo headsets.

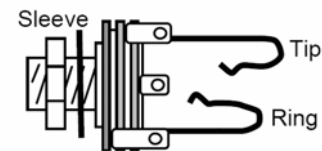
Procedure:

- 1) Determine audio failsafe function with the communication radio on (volume up) and intercom off. From the pilot headset jacks, transmit sidetone and receive audio should be heard normally utilizing mono headsets or stereo headsets switched to mono. Headphone wiring is correct if audio is present. Proceed to step two if audio is not heard.
- 2) Remove two screws securing the electrical panel for access to the rear of the headphone jacks. The 7EC will require removal of the right side door pillar; refer to the 7EC service manual for instructions. Remove the glare shield. Locate and disconnect the intercom connector. The intercom connector is a black, 16-pin, cannon plug that is part of the harness originating from the rear of the intercom.

Verify correct connection of pins 7, 8, 10, and 11 to the ¼" headphone jacks using a continuity device. If necessary, swap pins 7-8 and 10-11 to match the diagram below. An AMP 305183 extractor or equivalent tool should be used to disengage the pins.



**Intercom Connector**



**Headset Jack**

- 3) Connect intercom and verify proper function and failsafe per step one. Reinstall all components.